

Backup your instance

You may want to have regular backups of your instances. Morpheus is able to create "jobs" that will regularly create these backups. You will need to have a Storage target (S3 Bucket) defined first.

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First: set up a Bucket to store the backups

You need to set up a Storage target in Morpheus to save your backups.

1. Go to **Infrastructure Storage Buckets**.
2. Click **+ADD Amazon S3**.
3. Complete the **NEW BUCKET** form:

NEW BUCKET	
NAME	<input type="text" value="my_bucket"/>
ACCESS KEY	<input type="text" value="xxxxxxxx"/>
SECRET KEY	<input type="password" value="*****"/>
BUCKET NAME	<input type="text" value="projectname-backups"/>
<input type="checkbox"/> CREATE BUCKET	
<input checked="" type="checkbox"/> USE PATH STYLE BUCKET ACCESS	
ENDPOINT URL	<input type="text" value="storage.ecmwf.europeanweather.cloud"/>
<small>Optional endpoint URL if pointing to an object store other than amazon that mimics the Amazon S3 APIs.</small>	
<input checked="" type="checkbox"/> ACTIVE	
<input checked="" type="checkbox"/> DEFAULT BACKUP TARGET	
<input checked="" type="checkbox"/> UPDATING EXISTING BACKUPS	
<input type="checkbox"/> DEFAULT DEPLOYMENT ARCHIVE TARGET	
<input type="checkbox"/> DEFAULT VIRTUAL IMAGE STORE	
Retention	
RETENTION POLICY	<input type="text" value="None"/>

1. You can choose a display **NAME** for the Morpheus interface.
2. **ACCESS KEY**, **SECRET KEY**, **BUCKET NAME** and **ENDPOINT URL** will be provided by [Support](#) (Note that you can also add your own S3 Bucket). For example, for ECMWF storage it would be <https://storage.ecmwf.europeanweather.cloud>
3. If the bucket does not already exist and you want to create it, tick **CREATE BUCKET**.
4. Tick **USE PATH STYLE BUCKET ACCESS**.
5. You may want to tick **DEFAULT BACKUP TARGET**.
6. Click **SAVE CHANGES**.

Set up the backup when you create the Instance

1. Follow the [Provision a new instance - web](#) steps to create a new Instance.
2. Set up the backup during the AUTOMATION step:

CREATE INSTANCE

TYPE

GROUP

CONFIGURE

AUTOMATION

REVIEW

Backups

BACKUP TYPE

Openstack Snapshot

BACKUP NAME

instance_backup

BACKUP TARGET

my_backup

BACKUP JOB TYPE

New job

JOB NAME

instance_backup_job

RETENTION COUNT

1

BACKUP SCHEDULE

Weekly on Sunday at Midnight

Lifecycle

PREVIOUS

NEXT

1. Choose **BACKUP TYPE** Openstack Snapshot
2. Give the backup a name.
3. In **BACKUP TARGET** choose from the drop-down menu the storage provider you have created in the Infrastructure Storage section.
4. Select a **RETENTION COUNT**: Default maximum number of successful backups to retain.
5. Select a **BACKUP SCHEDULE**
6. Once the instance has been created, you will be able to check the progress in the BACKUPS tab or from the Menu Backups Backups

Set up the backup for an already created instance

1. Go to the Menu Backups Backups and click +ADD.
2. Select INSTANCE as SELECT SOURCE.
3. Search for the name of the INSTANCE you want to backup and give it a Backup name:

CREATE BACKUP

SELECT SOURCE

NAME/TYPE

INFO

CONTAINER

container_789

BACKUP TYPE

Openstack Snapshot

STORAGE

my_backup

BACKUP JOB TYPE

New job

JOB NAME

instance_backup_job

RETENTION COUNT

1

BACKUP SCHEDULE

Weekly on Sunday at Midnight

PREVIOUS

COMPLETE

1. In **STORAGE** choose from the drop-down menu the storage provider you have created in the Infrastructure Storage section.
2. Select a **RETENTION COUNT**: Default maximum number of successful backups to retain.
3. Select a **BACKUP SCHEDULE**
4. Once the instance has been created, you will be able to check the progress in the BACKUPS tab or from the Menu Backups Backups

Related articles

- [EUMETSAT - Data Access](#)
- [s3 using Python libraries](#)
- [How to create S3 buckets in Morpheus](#)
- [Object storage: How to use s3cmd and s3fs](#)
- [How to get started with S3 Object Storage](#)